we engage
Tech.News

Friday, February 27, 2009

Emerge One-to-One Laptop Learning Initiative

The Year One research results for Emerge One-to-One Laptop Learning initiative are now available. This report was compiled from the results of teacher, student and administrator surveys, as well as researcher site visits. The Metiri Group and the University of Calgary, who are conducting the province-wide research for the initiative, have also made recommendations for Alberta Education and the participating school jurisdictions.

The Emerge One-to-One Laptop Learning initiative is a three-year, $5.7 million initiative developed in response to a growing trend towards laptop use in the classroom. Now in its second year, Emerge has 20 participating jurisdictions, 50 schools, and over 2,200 students.

The report is available online on the Emerge One-to-One Laptop Learning website. For more information, contact Karen Shipka, Project Manager, at Karen.Shipka@gov.ab.ca or by phone at 780-427-6961.

Speak Out - Alberta Student Engagement Initiative

The results of the January online survey on the *Speak Out* Student Engagement Initiative website:

- 47 students responded to the survey;
- 97 per cent indicated that technology is part of their lives outside of school;
- 90 per cent believe they will need to have technology skills in order to succeed;
- 79 per cent indicated that using technology in the classroom helps to show what they have learned;
- 25 per cent use computers in school four or more hours per week;
- 94 per cent believe they have adequate access to technology in their school;
- 74 per cent believe they should be allowed to use their own digital devices in school for learning;

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Send your questions, suggestions, or article submissions to tech.news@gov.ab.ca.

Next edition: March 2009

LINKS:

Alberta Education website – Technology section

LearnAlberta.ca website

Emerge One-to-One Laptop Learning initiative website

Technology and High School Success initiative website

- 92 per cent would like to be able to access schoolwork from home over the Internet;
- 100 per cent have Internet access at home;
- 79 per cent believe that the work they create in class, using technology, shows more about how much they have learned than the test grades do;
- 15 per cent bring their own laptop to school; 30 per cent would like to but are not allowed;
- 76 per cent use social networking sites at least once a week with 53 per cent using them daily;
- Movies or animations (57 per cent) and interactive whiteboards (47 per cent) are the technologies used the most in the respondents' classes;
- Respondents believe that it will be important for their future to be able to work well with others (60 per cent), be able to work on their own (55 per cent), know how to use technology well (53 per cent) and be able to solve problems quickly (53 per cent); and
- Language Arts and Social Studies are the courses in which laptops/computers are used most frequently in the respondents' schools.

Upcoming Events

LEADING FOR TODAY'S LEARNERS: PART 2

Improving instructional practices and performances through classroom observations and conferences

Today's 21st century learning leaders are focused on improving student and teacher learning. Richard Elmore of Harvard Graduate School of Education states, "education leaders must focus their efforts on instruction if they are to thrive and survive in the current conditions." One of the ways that principals focus their attention and efforts on improving instructional practice and performance is classroom observation and conferencing.

In this workshop, leaders will have the opportunity to collaborate with other principals to:

- Develop clear images of effective 21st century instructional practices;
- Design effective strategies for providing teachers with timely, constructive feedback through an instructional conference; and
- Analyze collected evidence to identify emerging patterns and trends.

Edmonton
Date: March 11, 2009
Place: Radisson Hotel Edmonton South, Gateway Blvd.

Grande Prairie
Dates: March 12, 2009
Place: Grande Prairie Inn

Calgary
Dates: March 16, 2009
Place: Rotary House, Calgary Stampede

To register:

- Email galileo@ucalgary.ca, or
- Phone Stacy Jackson at 403-220-8942

Cyber Bullying Resources

The Media Awareness Network has developed a series of lessons, in English and French, to give students a better

understanding of the ethical and legal implications of cyber bullying and to promote positive Internet use. This free resource, *Cyber Bullying: Encouraging ethical online behaviour*, is available at http://www.media-awareness.ca/english/resources/educational/lessons/cyberbullying.cfm.

Alberta Education has a licensing agreement with Media Awareness Network to provide all K-12 school jurisdictions with the *Web Awareness* professional learning resource for teachers on Internet safety and cyber bullying. For more information on this resource, and other resources, visit http://education.alberta.ca/admin/technology/standards/internetsafety.aspx.

2Learn.ca Update

French Online Learning Videos

A series of videos in French is now available for students, parents and teachers to promote student success in online learning. The seven videos are part of the "Les cours en ligne: Stratégies pour réussir" series that offers advice on issues such as getting organized, staying motivated, and the importance of building a personal support network for online learners.

The video series was developed by the 2Learn.ca Education Society, with assistance from an Inukshuk grant, Athabasca University, and the Conseil Scolaire Francophone de la Colombie-Britannique.

The video series is available online at http://www.pourapprendre.ca/video.html.

Video Conference Regional Leads Network's (VC RLN) Reach2Teach Newsletter

The VC RLN's Reach2Teach monthly online newsletter provides Alberta educators with information about the provincial videoconferencing community. To subscribe to the newsletter, visit http://www.2learn.ca/vcrln/r2t/r2t.html.

The VC RLN is a program established by Alberta Education and administered by the 2Learn.ca Education Society. With support from Stakeholder Technology Branch, the VC RLN supports SuperNet- and videoconferencing-enabled learning across Alberta's K-12 education system.

For more information about the VC RLN and their initiatives, please visit http://www.2learn.ca/VCRLN/.

2Learn2Gether.ca

The 2Learn.ca Education Society has recently launched 2Learn2Gether.ca, an online networking community established to support Alberta educators. The site provides moderated groups and forums, upcoming events, professional development opportunities and resources, educational videos and other tools designed to help users connect to others in education communities of practice. K-12 educators, or those affiliated with an Alberta education institution, can participate. There are currently 24 categories of groups across a wide variety of specialties.

This website is hosted on 2Learn.ca servers and is subject to 2Learn.ca's *Terms of Use*. User information is secure and private. Visit http://www.2learn2gether.ca/ to register for an account.

For more information, contact Danny Maas at Danny@2Learn.ca or by phone at 780-486-0380.

Tools4Teachers Update

New Resources

The following courses are now posted to the Tools4Teachers site:

- § Mathematics 4
- § Mathematics 5

The Tools4Teachers website can be accessed at http://www.tools4teachers.ca/. Contact your school administrator for a login and password.

For more information, contact Lori Ristoff at Lori.Ristoff@gov.ab.ca or by phone at 780-674-8719.

LearnAlberta.ca Update

New Resources on LearnAlberta.ca

Aquamath 3 Fractions
L'élève utilise les fractions (les moitiés, les tiers, les quarts, les cinquièmes et les dixièmes) qui font partie d'un entier ou d'un ensemble. Il doit identifier la fraction représentée par un entier ou par un ensemble et créer un entier ou un ensemble pour représenter une fraction donnée. Il doit également être capable de faire la distinction entre le numérateur et le dénominateur d'une fraction. L'élève utilise les fractions (les moitiés, les tiers, les quarts, les cinquièmes et les dixièmes) qui font partie d'un entier ou d'un ensemble. Il do...

Aquamath 3 Régularités
L'élève apprend à se servir des régularités répétitives, croissantes et décroissantes. Il identifie le motif ou la règle de la régularité et s'en sert pour continuer la séquence ou pour faire des prédictions. L'élève apprend à se servir des régularités répétitives, croissantes et décroissantes. Il identifie le motif ou la règle de la régularité et s'en sert...

Ateliers d'été en mathématiques du 4 au 7 juillet 2007
La nouvelle philosophie du programme d'études de mathématiques est présentée par Vivian Addoud, Hélène Gendron, Jérôme Proulx, Yvette D'Entremont et Simone Désilet. Les quatre domaines qu'ils approfondissent au cours de ces ateliers sont la pensée algébrique, la résolution de problèmes, les stratégies personnelles et la compréhension conceptuelle. Plusieurs témoignages et partages se font au cours de cette vidéo. La nouvelle philosophie du programme d'études de mathématiques est présentée par Vivian Addoud, Hélène Gendron, Jérôme Proulx, Yvette D'Entremont et S...

Biology 30: DNA: Copying the Code
This interactive resource depicts the process of DNA transcription and allows users to select from a pool of bases to transcribe a DNA coding sequence into a messenger RNA molecule. This interactive resource depicts the process of DNA transcription and allows users to select from a pool of bases to transcribe a DNA coding sequence... **(Requires Sign In)**

Biology 30: DNA: Reading the Code
This interactive resource depicts DNA translation. Users can select from a pool of amino acid molecules attached to transfer RNA molecules and translate a messenger RNA coding sequence into an amino acid sequence (part of a protein molecule). This interactive resource depicts DNA translation. Users can select from a pool of amino acid molecules attached to transfer RNA molecules and transla... **(Requires Sign In)**

Biology 30: DNA: Replication
This video resource depicts the semi-conservative process of DNA replication. This video resource depicts the semi-conservative process of DNA replication. **(Requires Sign In)**

Biology 30: DNA: Transcription
This video resource depicts the process of DNA transcription. This video resource depicts the process of DNA transcription. **(Requires Sign In)**

Biology 30: DNA: Translation
This video resource depicts the process of DNA translation. This video resource depicts the process of DNA translation. **(Requires Sign In)**

Communication Skills on the Job
This video identifies a variety of good communication skills, such as phone etiquette, body language, positive attitude and good manners. Skills are illustrated through workplace examples. This video identifies a variety of good communication skills, such as phone etiquette, body language, positive attitude and good manners. Skills are i... **(Requires Sign In)**

Concevoir un mélangeur
Cette ressource permet à l'élève d'explorer la relation qui existe entre le courant et la résistance dans un circuit électrique. L'élève utilise la loi d'Ohm pour déterminer quelle résistance produira le courant nécessaire pour faire fonctionner un mélangeur à une vitesse déterminée.
Cette ressource permet à l'élève d'explorer la relation qui existe entre le courant et la résistance dans un circuit électrique. L'élève utilise la lo...
Multiplication et division cellulaire : la prochaine generation
Cette ressource permet aux élèves de comparer les processus de mitose et de méiose. Dans le mode « montrer », l'élève peut observer des démonstrations qui comparent ces deux différents processus de division cellulaire. Dans le mode « guider », l'élève démontre ses connaissances des étapes de la méiose (reproduction sexuée) et de la mitose (croissance et remplacement des cellules) à l'aide des « outils » qui lui sont fournis. Un glossaire fait également partie de cette ressource.

Cette ressource permet aux élèves de comparer les processus de mitose et de méiose. Dans le mode « montrer », l'élève peut observer des démonstrations...

Éclair
Cette ressource permet à l'élève d'explorer le phénomène des éclairs sous la forme d'une décharge statique. Chacun des étapes clés de la formation de l'éclair est expliquée à l'aide de textes et d'animations. Un glossaire présente les termes suivants : cumulonimbus, charge induite, bandes positives et traceur par bonds. Des conseils reliés à la sécurité en cas d'éclairs sont également fournis Cette ressource permet à l'élève d'explorer le phénomène des éclairs sous la forme d'une décharge statique. Chacun des étapes clés de la formation de ...

Qu'est-ce qu'une pile électrochimique?
Cette ressource permet à l'élève d'explorer le fonctionnement et les composants (des produits chimiques, un électrolyte, deux électrodes et deux bornes) des piles électrochimiques liquides et sèches. Après avoir déterminé les mesures de sécurité à prendre, l'élève construira une pile liquide dans un laboratoire virtuel. Cette ressource explique, à l'échelle moléculaire, comment les piles créent une différence de potentiel et donc un courant électrique entre les électrodes. Un glossaire fait aussi partie de cette ressource. Cette ressource permet à l'élève d'explorer le fonctionnement et les composants (des produits chimiques, un électrolyte, deux électrodes et deux borne...

New Fabrics, Then Fibres: The Fundamentals of Fibre
This video explores the fundamentals of fibres—what are fibres, fibre properties, fibre categories—natural and manufactured, and newest fibres on the market. Content Caution: A student presents information on the controversial topic of killing animals for their skins. This video explores the fundamentals of fibres—what are fibres, fibre properties, fibre categories—natural and manufactured, and newest fibres on the ... **(Requires Sign In)**

Planning Guides: Grade 2 Mathematics
The following planning guides for Grade 2 Mathematics are now available: 2-D Shapes, 3-D Objects, Adding and Subtracting Numbers to 100, Addition and Subtraction Facts to 18, Equality and Inequality, Increasing Patterns, Measurement, and Place Value to 100.

Strategies for Learning: Using a Learning Log
This interactive resource provides examples of learning logs, offers tips on how they can be used, and allows students to create a learning log of their own. A learning log is a tool that students can use to set goals and track their progress when learning new concepts, skills, or ideas. This interactive resource provides examples of learning logs, offers tips on how they can be used, and allows students to create a learning log of the...

Strategies for Learning a New Language: Vocabulary Development
This interactive resource presents strategies for remembering new words and their meaning in a second language. Strategies include using images, sounds and personal experiences. The resource includes a learning log in which students can access activities and respond to questions related to the strategies. This interactive resource presents strategies for remembering new words and their meaning in a second language. Strategies include using images, sound...

Workplace Basics: Essential Skills for Success
This video focuses on self-management skills, creative thinking and problem solving, computer literacy, reading, writing, mathematics competency and communication skills. It explains the direct connection between the skills the students learn in school and their success in the workplace. This video focuses on self-management skills, creative thinking and problem solving, computer literacy, reading, writing, mathematics competency and c... **(Requires Sign In)**

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